



# IDEM Update

Tuesday, February 19, 2019



## Environmental Stewardship Program Annual Meeting



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Office of Program Support

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# IDEM Update - Current Opportunities

[2019 Indiana Governor's Awards for Environmental Excellence:](#)  
Indiana's most prestigious environmental recognition awards



- The 2019 Awards Program opened on January 28, 2019.
- Nominations will be accepted until **5:00 PM EST on April 1, 2019.**
- A webinar has been posted that takes viewers through the process of compiling a nomination and example projects are available for reference.

# IDEM Update - Current Opportunities



## Environmental Stewardship Program (ESP)

**Spring application round occurs April 1 - May 31**

Share the program information with others and encourage them to submit an application (available on the [IDEM Forms](#) page) to [esp@idem.in.gov](mailto:esp@idem.in.gov).

# IDEM Update - Current Opportunities



## Pollution Prevention Grant:

- IDEM has received a Pollution Prevention (P2) grant from the U.S. EPA to implement P2 at Indiana businesses.
- The focus of the grant is toxics reduction.
- IDEM is entering into a contract with Purdue University's [Manufacturing Extension Partnership \(MEP\)](#) to perform W.A.S.T.E. (water, air, solids, toxics, energy) Assessments at 15 Indiana facilities.
- If you are interested in an assessment, contact Cameron Maschino [cmaschin@idem.in.gov](mailto:cmaschin@idem.in.gov)

# IDEM Update - Current Opportunities

## Underground Storage Tank Pilot Program

- IDEM's Underground Storage Tank (UST) Branch is launching a [pilot program \[PDF\]](#) for characterizing leaking underground storage tank (LUST) releases using high-resolution site characterization tools (HRSC) at Excess Liability Trust Fund (ELTF) eligible petroleum cleanup sites. There is a process for the selection of sites to be included in the program and a [checklist \[PDF\]](#) of primary qualifications.





# Notable Staff changes at IDEM

- Amy Smith (former OLQ DAC) has left the agency and Doug Louks is now the Deputy Assistant Commissioner (OLQ - UST Branch)
- Dick Zeiler, OAQ monitoring BC retired and Steve Lengerich is now OAQ Monitoring Branch Chief
- Mary Hollingsworth, OWQ BC retired and Matt Prater is now the Drinking Water Branch Chief
- Sara Bonick, new IDEM Director of External Relations
- Jessica Reiss (attorney) has left OLC
- Jean Fix, Senior Environmental Manager for ESP and Partners for Pollution Prevention Programs
- Chrystal Wagner, CTAP Senior Environmental Manager (from OAQ permitting)
- Tammy Haug, left CTAP Southwest Regional Office (SRO), back to OAQ Compliance and Enforcement in the SRO

# IDEM's Compliance and Technical Assistance Program



Compliance and Technical  
Assistance Program

Indiana Department of Environmental Management

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*Helping Indiana businesses one step at a time*

# Empowering Indiana Businesses with Environmental Compliance Assistance that is:

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Free and Confidential

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Non-regulatory

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Multimedia



# Contact CTAP

1

## Northwest Regional Office:

- Charles Breitenfeldt, (219) 250-0119

2

## Northern Regional Office:

- Joseph Neuklis, (574) 245-4879

3

## Indianapolis Central Office:

HOTLINE (800) 988-7901 or (317) 232-8172

- Edward Clements
- Hani Sharaya
- Mark Stoddard
- Chrystal Wagner

CTAP Small Business Regulatory Coordinator:

- Angela Taylor, (317) 233-0572

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## Southwest Regional Office:

- TBD, (812) 380-2303

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## Southeast Regional Office:

- Nick Carr, (812) 358-2027



**Email:** [CTAP@idem.IN.gov](mailto:CTAP@idem.IN.gov)

**Website:** [www.idem.IN.gov/ctap](http://www.idem.IN.gov/ctap)

# Upcoming Compliance Due Dates

CTAP maintains a list of [compliance due dates](#) for Indiana businesses, including all media/regulatory program areas of IDEM (land, air, water).

## **February 28:**

- Quarterly Non-Compliance Report due for those delegated water Pretreatment Programs allowed to submit in February (otherwise due in January).

## **March 1:**

- Organic Pollutant Monitoring Report due for delegated water Pretreatment Programs.
- Annual Notifications due for Air Registrations and MSOPs
- [Annual Manifest Report](#) due every year for Small Quantity Generators and on odd numbered years (e.g. 2017) for Large Quantity Generators and Treatment, Storage, Disposal facilities.
- Hazardous Waste Disposal Fee (State Form 46244, available on the [IDEM Forms](#) page). The fees are due annually (by March 1) for the previous calendar year for disposal of hazardous waste onsite through underground injection or by other methods (for TSD facilities).



# Upcoming Compliance Due Dates

## March 1 (Cont.):

- Tier II Reports due to the State Emergency Response Commission, the Local Emergency Planning Committee (LEPC), and Local Fire Department through the Department of Homeland Security. Note: this report is not required to be submitted to IDEM.

## March 15

- NPDES Annual Bills (Wastewater Treatment as well as Storm Water Permits) are due for every active permit as of January 1 of the current year (except General Permit Coal Mines which are due on their anniversary date), or first quarter payment due if paying Annual Bill in quarterly installments. 10% late fees apply after this date.
- FESOP Air Permit annual fees are due 30 days after the invoice is generated. All invoices are generated by the 15th of the previous month.

## March 31:

- [Annual Water Withdraw Report](#) is due for facilities that have the capability of withdrawing more than one hundred thousand (100,000) gallons of ground water, surface water, or ground and surface water combined in one (1) day. Note: this report goes to the DNR's [Significant Water Withdrawal Program](#) and is not required to be submitted to IDEM.



# Upcoming Compliance Due Dates

## **April 1:**

- Annual Report due for delegated and non-delegated water Pretreatment Programs.

## **April 15**

- [Air Annual Compliance Certification](#) due for companies in Clark, Elkhart, Floyd, Lake, Marion, Porter, St. Joseph, and Vanderburgh counties.
- [Solid Waste Quarterly Reports](#) due.
- MSOP Air Permit annual fees are due 30 days after the invoice is generated. All invoices are generated by the 15th of the previous month.
- Solid Waste Management Fee Return is combined with the Solid Waste disposal fee and is due quarterly. Forms will be mailed to applicable parties.

## **April 28:**

- Quarterly Non-Compliance Report due for delegated water Pretreatment Programs (unless otherwise permitted to submit report in May).

## **April 30:**

- Air Quarterly Deviation and Compliance Monitoring Report, due for January through March. Check your permit to determine if you are on a quarterly or semi-annual reporting schedule.
- Quarterly Air Permit reports (e.g., usage reports) due for January through March.

# Rule and Policy Updates

- Indiana General Assembly – Indiana Register Documents (March 1, 2018 to present):  
[www.IN.gov/legislative/register/irtoc.htm](http://www.IN.gov/legislative/register/irtoc.htm)
- IDEM, Office of Legal Counsel – Rules in Progress:  
[www.idem.IN.gov/legal/2334.htm](http://www.idem.IN.gov/legal/2334.htm)



## Environmental Rules Board

- Next Meeting / Public Hearing – May 8, 2019 (tentative date)
- 1:30 PM in Conference Room A of Indiana Government Center South (IGCS) in Indianapolis, IN
- To attend a meeting, use the public entrance at 100 North Senate Avenue to gain access to the building

# Environmental Rules Board

## May 8, 2019 (tentative date and agenda items)

### Emergency Rule

- Clark and Floyd Counties 2015 Ozone Designations [Emergency Rule](#) (OAQ)

### Preliminary Adoption (Public Hearing)

- Hazardous Waste Updates [LSA#18-481](#) (OLQ)

### Final Adoption

- Short-Term Backup Units [LSA #16-309](#) (OAQ)
- Great Lakes Basin CSO Public Notification [LSA #18-271](#) (OWQ)
- Portland Cement Monitoring [LSA #18-364](#) (OAQ)

# Rule Updates – Recently Effective

## **AIR RULES - Title 326**

- NOx Emissions From Large Industrial Boilers (Non-Electric Generating Units) and Repeal of NOx Trading Programs - [LSA#15-414](#), Effective 08/26/2018
- Volatile Organic Liquid Storage Tank Emissions located in Clark, Floyd, Lake, or Porter county – [LSA #15-427](#), Effective 08/15/2018
- Attainment Status Updates - updates to the statuses of all counties for certain pollutants contained in the National Ambient Air Quality Standards [LSA #18-1](#), Effective 08/15/2018



# Rule Updates – Recently Effective

## **WATER RULES - Title 327**

- Drinking Water Cross Connection Rule Revisions - [LSA#17-563](#), Effective 11/23/2018

## **UNDERGROUND STORAGE TANK FINANCIAL ASSURANCE BOARD - Title 328**

- Excess Liability Trust Fund - [LSA #15-23](#), Effective 08/26/2018

## **WASTE RULES - Title 329**

- Underground Storage Tanks - [LSA#16-204](#), Effective 06/30/2018



# Rules in Progress



- IDEM works on several rulemakings at any given time.
- All details related to IDEM rulemakings currently underway and archives of past rulemaking activities are posted online and organized by the title of the Indiana Administrative Code where the rule will be located.
- See IDEM's [Rulemaking](#)

# Title 326 - Air Pollution Control Division

- Permit Legal Notices - [LSA #17-395](#):**  
 Requires electronic notice of permits on IDEM website and eliminates the requirement to post notices in local newspaper publications. *Final Adopted 11/14/2018 / Effective March 2019*
- Short-Term Backup Units - [LSA #16-309](#):** Adds a provision to the list of exemptions, at 326 IAC 2-1.1-3(h), to allow the operation of a short term backup unit under certain circumstances without first seeking a modification to a permit. *Preliminary Adopted 02/13/2019*
- Asbestos Management Revisions – [LSA #09-363](#):**  
 Amendments to rules at 326 IAC 14-10 and 326 IAC 18 concerning asbestos management (licensing and training). *Final Adopted 2/13/2019*



# Title 326 - Air Pollution Control Division

- **Clark and Floyd Counties 2015 Ozone Designation Emergency Rule – [Emergency Rule](#):** Temporarily amends 326 IAC 1-4 to designate Clark and Floyd counties to nonattainment for the 2015 ozone standard. *Adopted 02/13/2019*
- **Cold Cleaning Degreasing Alternative – [LSA #18-542](#):** Amendments to Rules at 326 IAC 8-3-8 concerning cold cleaning degreasing and the addition of a control device option to comply with the requirement to use a low vapor pressure solvent. *First Notice ended 1/18/2019*

# Title 326 - Air Pollution Control Division

- **Portland Cement Monitoring- [LSA #18-364](#):** Amendments to rules at 326 IAC 3-5-1, concerning the continuous opacity monitoring requirement for Portland cement plants. *Preliminary Adopted 02/13/2019*
- **Warrick County Sulfur Dioxide Emission Limitations - [LSA #19-1](#):** Amendments to rules at 326 IAC 7-4-10 concerning sulfur dioxide (SO<sub>2</sub>) emissions for Warrick County. *First Notice ended 2/08/2019*
- **Vertellus Emission Limits Update – [LSA #19-82](#):** Amendments to rules at 326 IAC 6.5-6-31 concerning revisions to the particulate matter (PM) emission limits requested by Vertellus Integrated Pyridines, LLC (Vertellus). *First Notice Comment Period 02/13/2019 to 03/15/2019*

# Title 327 - Water Pollution Control Division

- **NPDES General Permits – [LSA #18-238](#):** IDEM's development of drafts of five administrative general permits (conversion from permit-by-rule general permits to administratively issued general permits). *Second Public Notice anticipated in March 2019*
- **Great Lakes Basin Combined Sewer Overflow Enhanced Public Notification – [LSA #18-271](#):** Amendments to rules in 327 IAC 5 concerning federal requirements for public notification for combined sewer overflows to the Great Lakes). *Preliminarily Adopted 02/13/2019*
- **Wastewater Treatment Plants and Operators – [LSA#18-365](#):** Amendments to Rules at 327 IAC 5-22 concerning the wastewater treatment plant operator certification. *Second Public Notice anticipated in March 2019*

# Title 327 - Water Pollution Control Division



- **Septage Management** – [LSA#14-29](#): IDEM requires a septage management permit when septage (wastewater) is transported, treated, stored, or disposed of, and when sewage disposal systems are cleaned (327 IAC 7.1 and IC 13-18-12). *Second Public Notice anticipated in March 2019*

# Title 329 – Solid Waste Management Division

- **Waste Tire Management** – [LSA#17-279](#): Amendments to 329 IAC 15 concerning waste tire management and legitimate use of waste tires. *Second Public Notice anticipated in February / March 2019*
- **UST Compliance Date Corrections** – [LSA#18-281](#): IDEM is correcting / extending the compliance dates for the federal UST requirements that are incorporated by reference in 329 IAC 9. *Final Adopted 11/14/2018 / Effective March 2019* (Note: emergency rule in place until effective)
- **Hazardous Waste Updates** – [LSA#18-481](#): Incorporation by reference of recent U.S. EPA rules for hazardous waste generator improvements and import-export of hazardous waste. *Public Hearing/Preliminary Adoption 05/08/2019*

# Thank You!



## Questions?

Look for new featured topics and P2 news on our website.



# ESP Successes



## Reports and Information

As of 2018, 58 businesses are members of IDEM's Environmental Stewardship Program (ESP). Members must submit an [annual performance report \(APR\)](#) to demonstrate progress towards their environmental stewardship objectives and targets, and certify that the ESP requirements continue to be achieved

- Historical APRs
- Success Stories

# ARaymond Tinnerman Manufacturing

457,954.55 lbs. of pollution prevented

- Installed a natural gas-fired endothermic generator, allowing for the elimination of a methanol storage tank and feed system.
- As a result, methanol is no longer stored onsite and will not have to be reported to the EPA Toxic Release Inventory for CY2018.
- Results have been better than expected, as heat treated parts have less carbon deposits and do not have to be cleaned as aggressively as in the past.
- Also, installed a recirculating cooling water loop with water-to-chilled-water heat exchanger for cooling of heat treat furnace bearings and equipment.



# Raytheon Indianapolis

9,200,000 lbs. of waste diverted



- Expanded composting effort to include composting of prepared, excess food that was previously either sent to the incinerator or through the garbage disposal.
- It is estimated this effort contributes an additional 25 pounds of food waste to the compost pile daily. This results in an increase of 4,600 pounds of waste diverted from incineration for the last three (3) quarters of 2018.
- Currently working to achieve the *TRUE Zero Waste Certification*. Part of the certification criteria requires a ninety percent (90%) diversion rate, in addition to many best management practices for waste and resources management.

# Electro-Spec

341.35 lbs. of waste diverted

- Reduced the amount of cyanide filters being shipped out by 25% by using reusable filters.



- **NEWEST PROJECT** - Will soon be using a solvent blend from *Brulin*, an Indianapolis company, called SolVantage
  - Can be used as a direct replacement in the airless/airtight degreasing unit for solvent containing TCE
  - The mixture has zero ozone depleting potential and low global warming potential
  - Is not regulated as a hazardous waste (RCRA, EPCRA)
  - Is not listed as a hazardous air pollutant, is EPA SNAP approved, is considered a suggested replacement for TCE, MeCl, Perc and NPB, and the use will reduce VOC emissions by over 50% permanently

# Astra Zeneca

Water use reduction of 12,756,774 gallons

- The facility has instituted several water reduction projects including:
  - no flush urinals
  - eliminated irrigation
  - evaluating water usage for several equipment cleaning areas



# Eli Lilly Corp

17,728,571.43 Kwh energy reduction

- Lilly engineers created a model incorporating the historical wet bulb correlation with a coefficient of performance for each chiller that is part of the system for generating chilled water for building conditioning.
- After it was validated, the model was upgraded to upload forecasted weather data from the internet to predict the required chiller load and to facilitate the operational plan to optimize chiller usage.

